

ABSTRACT OF THE DISCLOSURE

After a first processing solution is spread over the front surface of a substrate and the temperature of the front surface of the substrate is regulated at a predetermined substrate temperature, a second processing solution is spread over the front surface of the substrate. The second processing solution can be spread while the front surface temperature of the substrate is maintained at the predetermined substrate temperature. Hence, a layer insulating film with good adhesion properties can be formed uniformly on the front surface of the substrate, and the quantity of the processing solution to be used can be reduced.